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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Stockwell  
Serial No.: 09/361,576  
Filed: July 27, 1999  
For: METHOD OF HIGH-THROUGHPUT SCREENING OF MOLECULES  
AND COMPOUNDS FOR THEIR EFFECTS ON BIOLOGICAL AND  
CHEMICAL PROCESSES

Art Unit: 1627  
Examiner: Hsu, G.

ASSISTANT COMMISSIONER OF PATENTS  
WASHINGTON, DC 20231

Sir:

**SECOND PRELIMINARY AMENDMENT**

Applicants respectfully request entrance of the following Amendment into the above-referenced case, and consideration of the following Remarks.

**Amendment**

In the claims:

22. (amended) The method of claim [2] 13, wherein the step of introducing an assay system capable of undergoing at least one chemical or biological reaction, the reaction is selected from the group consisting of: nucleic acid synthesis, protein phosphorylation, protein cleavage, peptide cleavage, carbohydrate addition, carbohydrate cleavage, metabolism of cellular components, synthesis of cellular components, intracellular biochemical reactions, and combinations thereof.

*Cent*  
23. (amended) The method of claim [2] 13, wherein the step of detecting comprises detecting an intracellular event or entity.

24. (amended) The method of claim [2] 13, wherein the step of detecting comprises detecting a luminescent moiety.

*19 already covered*  
25. (amended) The method of claim [2] 13, wherein the step of detecting comprises detecting a chemiluminescent moiety generated by a peroxidase, and wherein the step of detecting utilizes at least one antibody to bind to a biological component.

#### Remarks

The amendments to claims 22-25 correct typographical errors to the dependency of the claims. No new matter is added by the amendments.

Please charge any fees that may be required, or credit any overpayment, to our Deposit Account No. 03-1721.

Respectfully submitted,



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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231 on August 17, 2000  
Karen E. Gesso